

Reactions of diazaphospholes with phenyldiazomethane

Arbuzov B., Dianova E., Galiaskarova R., Chernov P.
Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

The action of 2-acetyl-5-methyl-1, 2, 3-diazaphosphole on phenyldiazomethane at -15°C in hexane leads to 2-acetyl-4-methyl-8-phenyl-1-phospha-2,3,7,8-tetraazabicyclo[3.3.-]octa-3,7-diene. The inverse action of phenyldiazomethane on 2-acetyl-5-methyl-1,2, 3-diazaphosphole at 0°C in ether gives 4, 11-diacetyl-6,7-dimethyl-2-phenyl-4,5,10,11-tetraaza-1,3-diphosphatricyclo[6.3.0.0^{3,7}]undeca-5, 9-diene. © 1986 Plenum Publishing Corporation.

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